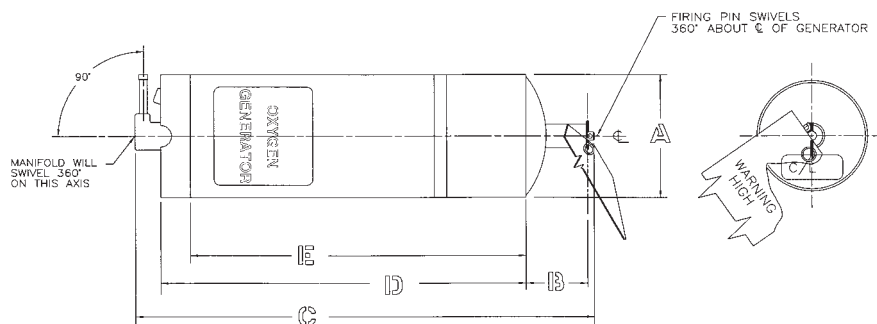




AVOX Systems

Chemical Oxygen Generators  
22-Minute Type

## 22-Minute, 2-Person Oxygen Generator



**22-MINUTE, 2-PERSON OXYGEN GENERATOR** Shown In "Ready To Install" Condition. See Warning on Back Page.

AVOX Systems solid-state generators are available as replacement parts in aircraft oxygen module assemblies that provide supplemental emergency oxygen to the cabin crew and passengers of the Boeing 757-200 model aircraft. They offer immediate oxygen availability without requiring high-pressure oxygen storage.

AVOX Systems generators are the recognized benchmark for quality and excellence in the aviation industry. In the world's largest existing facility for chemical oxygen production, AVOX Systems has produced over 1,250,000 chemical oxygen generators. AVOX Systems generators are used by OEMs such as Boeing, Cessna, Piper, Fokker, Lockheed, McDonnell Douglas, and airlines throughout the world.

AVOX Systems generators satisfy aircraft flow and duration specifications according to a predetermined cabin decompression schedule, as well as purity requirements. While providing optimum safety, reliability, and economy, they afford significant weight reduction over gaseous, fixed systems.

### Features:

- Operationally tested at cabin altitudes up to 40,000 ft.
- Positive actuation for immediate oxygen
- Operational temperature range 0° to 110°F

This solid-state generator is housed in a metal container with integral filters, insulation, and over-pressure relief. With a percussion-actuated installation, the constant flow mask is pulled to the face (in the event of a decompression), causing the pin on the end of the lanyard to separate from the spring-actuated striker. When the striker contacts the percussion cap, enough heat is generated to initiate the thermal decomposition of the generator core, thereby producing oxygen. The oxygen is delivered through a single outlet manifold and the generator is designed to supply oxygen to two constant flow masks. The outlet is compatible with 1/8" I.D. x 1/16" wall rubber type tubing. The protective cap on the outlet will maintain cleanliness of oxygen exposed components.

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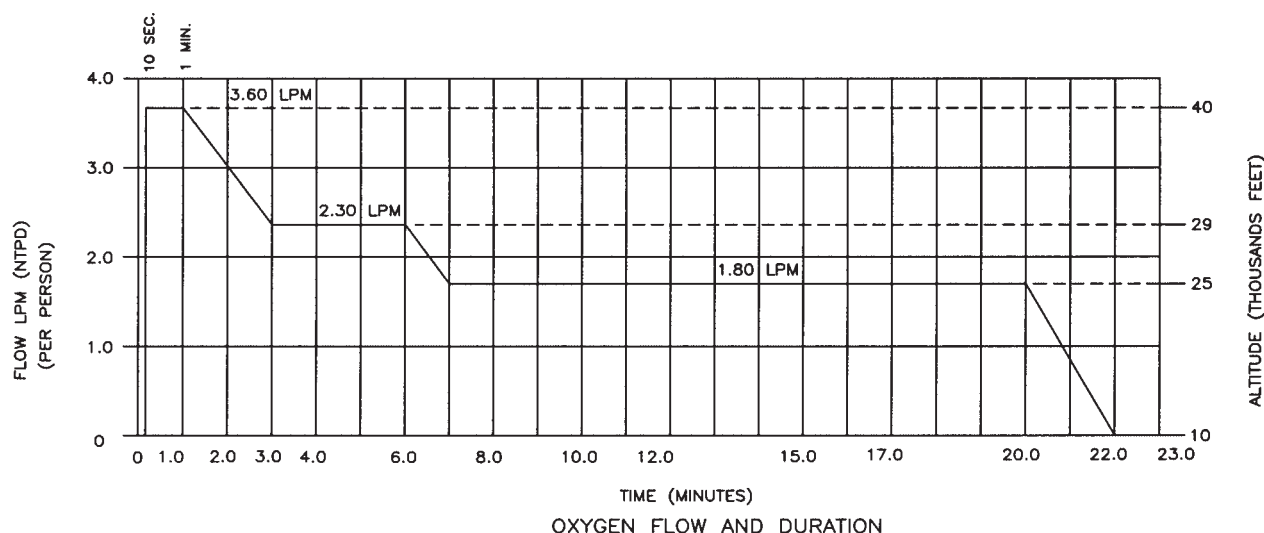


### Table Of Characteristics

Part Number	Total Liters (min.)	Number Of Persons Served*	Outlet Angle	Dimensions (in.)					Maximum Weight** (lb.)	Maximum Surface Temp.
				A	B	C	D	E		
801387-42	88.3	2	90°	2.79 Max.	1.03 Max.	8.91 Max.	7.14 Max.	6.65 Max.	2.150	500°F

\* Generator is a single outlet unit that supplies oxygen to 2 persons. \*\* Weight does not include warning flag, safety pin, and shipping flag.

### Oxygen Flow Chart



### Generator / Aircraft Eligibility

Generator		Eligible Boeing Aircraft
AVOX Part Number	Replaces Part Numbers	757-200
801387-42	S417T401-22 (117003-22) S417T401-51 (E72220-10)	

### WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THESE ASSEMBLIES ARE INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AS COMPONENTS OF A COMPLETE AVIATION OXYGEN SYSTEM USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

CHEMICAL OXYGEN GENERATORS PRODUCE OXYGEN AND HEAT WHEN ACTUATED. SURFACE TEMPERATURE OF GENERATORS MAY REACH 400°F OR HIGHER WHEN ACTUATED. INADVERTENT ACTUATION OF A CHEMICAL OXYGEN GENERATOR MAY RESULT IN FIRE, PERSONAL INJURY, OR DEATH.

CHEMICAL OXYGEN GENERATORS MUST BE HANDLED ONLY BY AUTHORIZED PERSONNEL KNOWLEDGEABLE IN THE

HAZARDS OF OXYGEN AND CHEMICAL OXYGEN GENERATORS. ALL APPLICABLE AIRCRAFT MAINTENANCE INSTRUCTIONS MUST BE STRICTLY FOLLOWED FOR INSTALLATION AND MAINTENANCE. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR. THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATION BREATHING OXYGEN.

NOTE: OXYGEN GENERATORS ARE CONSIDERED A HAZARDOUS MATERIAL FOR SHIPMENT AND HAVE BEEN ASSIGNED THE SHIPPING NAME "OXYGEN GENERATOR, CHEMICAL" AND THE IDENTIFICATION NUMBER UN 3356. IN THE UNITED STATES, OXYGEN GENERATORS MAY ONLY BE OFFERED FOR TRANSPORTATION WHEN PACKAGED AND MARKED IN ACCORDANCE WITH AN APPROVAL OR AN EXEMPTION ISSUED BY THE US DOT.